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PTO/SB/05 (01-04) Approved for use through 07/31/2006. OMB 0651-0032

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UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	2089-001D1			
First Inventor	Liu			
Title	Blended Powder Solid-Supe			
Express Mail Label No.	ER 252156644 US			

		<u></u>					
	PPLICATION ELEMENTS ter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450					
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages48] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description		 CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) Computer Readable Form (CRF) Specification Sequence Listing on:					
- Claim(s)		ACCOMPANTING A	PPLICATION PARTS				
4. Drawing(s) 5. Oath or Declarat a. Newly 6 b. Copy fr (for con i. DEL Signer nam 1.63 6. Applicati	executed (original or copy) om a prior application (37 CFR 1.63(d)) tinuation/divisional with Box 18 completed) _ETION OF INVENTOR(S) ed statement attached deleting inventor(s) e in the prior application, see 37 CFR (d)(2) and 1.33(b). on Data Sheet. See 37 CFR 1.76	9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other:					
Continuation	on 🖸 Divisional · 🗖 Continu	uation-in-part (CIP) of prior applicat	ion No.: 10/194,409				
Prior application information: Examiner Mai, Ngoclan T. Art Unit: 1742 For CONTINUATION OR DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box							
5b, is considered a p	art of the disclosure of the accompanying continuation	on or divisional application and is hereby	v incorporated by reference.				
The incorporation ca	n only be relied upon when a portion has been inadv	ertently omitted from the submitted appli	ication parts.				
	19. CORRESPO	NDENCE ADDRESS					
Customer N	Customer Number: 00003714 OR Correspondence address below						
Name	Name						
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City		State	Zip Code				
Country		Telephone	Fax				
Name (Print/Type)	0,100						
Signature	Thurs Mario ?		Date March 16, 2004				

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	•	for	FY	200)4	

Effective 10/01/2003. Patent fees are subject to annual revision.

✓ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$)	856

Complete if Known		
Application Number	unknown	
Filing Date	unknown	
First Named Inventor	Liu	
Examiner Name	unknown	
Art Unit	unknown	
Attorney Docket No.	2089-001D1	

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None	3. ADDITIONAL FEES					
Deposit Account:		Entity	Small	Entity		
Deposit Account.			Fee Code	Fee (\$)	Fee Description	5 D-1-1
Account	Code 1051	130	2051		Surcharge - late filing fee or oath	Fee Paid
Number Deposit	1052	50	2052		Surcharge - late provisional filing fee or	
Account Name	1032	30	2032	23	cover sheet	
The Director is authorized to: (check all that apply)	1053	130	1053		Non-English specification	
Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after	1
to the above-identified deposit account.	1251	110	2251	55	Examiner action Extension for reply within first month	
FEE CALCULATION	1252	420	2252	210	Extension for reply within list month	
1. BASIC FILING FEE	1252	950	2252			
Large Entity Small Entity Fee Fee Fee Fee Description Fee Paid					Extension for reply within third month	
Code (\$) Code (\$)		1,480	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee 385	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
2005 80 Provisional filing fee SUBTOTAL (1) (\$) 385 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra Claims below Fee Paid		1,510	1451	1,510	Petition to institute a public use proceeding	
		110	2452	55	Petition to revive - unavoidable	
		1,330	2453	665	Petition to revive - unintentional	
		1,330	2501	665	Utility issue fee (or reissue)	
		480	2502	240	Design issue fee	
Total Claims	1503	640	2503	320	Plant issue fee	
Claims 0 - 3** = 8 X 40 = 1129	1460	130	1460	130	Petitions to the Commissioner	
_ · · /	1807	50	1807	7 50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021	40	8021	1 40	Recording each patent assignment per property (times number of properties)	
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be	
1204 86 2204 43 ** Reissue independent claims					examined (37 CFR 1.129(b))	
over original patent	1801	770	2801		Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 471		fee (sp				
**or number previously paid, if greater; For Reissues, see above	*Redu	ced by	Basic I	Filing F	ee Paid SUBTOTAL (3) (\$) 0	

SUBMITTED BY

(Complete (if applicable))

Name (Print/Type)

Thomas Lizzi

Registration No. (Attornev/Agent)

Signature

Registration No. (Attornev/Agent)

Date

March 16, 2004

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Atty Docket No.: 2089-001D1

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicants: Jianxin Liu and Michael Rynerson
Serial No.: to be assigned
Filing Date: March 16, 2004
Examiner:
Group Art Unit:
Invention: Blended Powder Solid-Supersolidus Liquid Phase Sintering
I hereby certify that the following correspondence:

Utility Patent Application Transmittal Letter, Specification, Claims, Drawings (2 sheets), Fee Transmittal Form, Check, Copy of Declaration and Power of Attorney from prior application

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: March 16, 2004

Name of person mailing correspondence: Thomas Lizzi, Esq.

Signature of person mailing correspondence: _

"Express Mail" Mailing Label Number: ER 252156644 US

Atty Docket No.: 2089-001D1

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Serial No.: to be assigned
Filing Date: March 16, 2004
Examiner:
Group Art Unit:
Invention: Blended Powder Solid-Supersolidus Liquid Phase Sintering
I hereby certify that the following correspondence:
Preliminary Amendment
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
Date: March 16, 2004
Name of person mailing correspondence: Thomas Lizzi, Esq.
Signature of person mailing correspondence:
"Express Mail" Mailing Label Number: ER 252156644 US

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Serial No.: to be assigned

Filing Date: March 16, 2004

Examiner: -----

Group Art Unit: -----

Invention: Blended Powder Solid-Supersolidus Liquid Phase Sintering

I hereby certify that the following correspondence:

Information Disclosure Statement, references cited therein, and PTO SB/08A

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: March 16, 2004

Name of person mailing correspondence: Thomas Lizzi, Esq.

Signature of person mailing correspondence:

"Express Mail" Mailing Label Number: ER 252156644 US